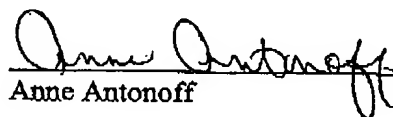


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I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted on the date indicated below via facsimile to the United States Patent and Trademark Office, facsimile number (571)-273-8300.

Date: June 29, 2006  
Anne AntonoffTOTAL PAGES 18

In Re Application Of: Frost, et al.

Art Unit: 2856

Serial No.: 10/693,624

Confirmation No.: 1506

Filed: October 24, 2003

Docket No. 062004-1791

For: **Apparatus and Method of Determining *In Situ* Pore Fluid and Soil Properties Using Multi-Sensor Measurement Systems**Amendment Transmittal  
Amendment and Response to Non-Final Office Action

JUN 29 2006

## AMENDMENT TRANSMITTAL LETTER (LARGE)

Applicant(s): Frost, et al.

Docket No.

062004-1791

Serial No.  
10/7693,624Filing Date  
October 24, 2003Examiner  
Raevls, Robert R.Confirmation No.  
1506Group Art Unit  
2856

Invention: Apparatus and Method for Determining In Situ Pore Fluid and Soil Properties Using Multi-Sensor Measurement Systems

Commissioner for Patents  
Mail Stop RCE  
P.O. Box 1450  
Alexandria VA 22313-1450

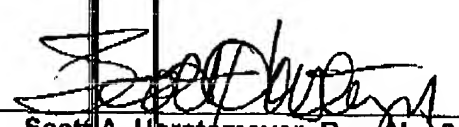
Transmitted herewith is an Amendment and Response to Final Office Action in the above-identified application.

The fee has been calculated and is transmitted as shown below

## CLAIMS AS AMENDED

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	27 -	27		X \$50.00	\$0
INDEP. CLAIMS	4 -	4 =		X \$200.00	\$0
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>				\$360.00	\$0
EXTENSION FEE	1 <sup>ST</sup> MONTH <input type="checkbox"/> \$120.00	2 <sup>ND</sup> MONTH <input type="checkbox"/> \$450.00	3 <sup>RD</sup> MONTH <input type="checkbox"/> \$1,020.00	4 <sup>TH</sup> MONTH <input type="checkbox"/> \$1,590.00	\$0
Other Fees: RCE					\$0
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0

- ☒ No additional fee is required.  
☐ Please charge Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_. A duplicate copy of this page is enclosed.  
☐ A check in the amount of \_\_\_\_\_ to cover the filing fee is enclosed.  
☐ A Credit Card Payment Form PTO-2038 is attached in the amount of \$\_\_\_\_\_  
☒ The Director is hereby authorized to charge any deficiencies of the above fees or credit any overpayment to Deposit Account No. 20-0778.

  
 Scott A. Horstemeyer, Reg. No. 34,183

 06/29/06  
 Date

JUN 29 2006

## PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Group Art Unit: 2856

Frost, *et al.*

Examiner: Raevis, Robert R.

Serial No.: 10/693,624

Confirmation No.: 1506

Filed: October 24, 2003

Docket No.: 062004-1791

For: Apparatus and Method for Determining *In Situ* Pore Fluid and Soil Properties  
Using Multi-Sensor Measurement Systems

**AMENDMENT AND RESPONSE TO NON-FINAL OFFICE ACTION**

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The non-final Office Action mailed March 29, 2006 (Paper No./Date 20060220),  
has been carefully considered. In response thereto, please enter the following amendments  
and consider the following remarks.

**DEPOSIT ACCOUNT AUTHORIZATION**

It is not believed that extensions of time are required, beyond those that may  
otherwise be provided for in documents accompanying this paper. However, in the event  
that additional extensions of time are necessary to allow consideration of this paper, such  
extensions are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor  
are hereby authorized to be charged to our Deposit Account No. 20-0778.